

ABSTRACT

In a hybrid-drive electric vehicle, upon request of gear shifting of a transmission (2), a clutch (3) is first disconnected and the transmission (2) is set to a neutral position. The rotating electric generator 4 is then operated in a motor mode or a power generating mode so that a rotational speed of an input shaft of the transmission (2) reaches a region of a synchronizing rotational speed in accordance with a requested gear position. When the rotational speed of the input shaft of the transmission (2) reaches the region of the synchronizing rotational speed, the gear position of the transmission (2) is changed over from the neutral position to the requested gear position. Thus the rotation synchronizing time for the gear shifting in the transmission (2) is reduced, making it possible to perform the gear shifting for a short period of time.